

ABSTRACT

A biaxially oriented polyester film wherein the microscopic Raman crystallization index I_c measured in the film thickness direction is in a range of 8 cm^{-1} to 15 cm^{-1} and the difference between the maximum value and the minimum value of I_c is 1 cm^{-1} or less. Another biaxially oriented polyester film wherein the relative power (I_{TD}^{10}) of spatial frequency ($1/\text{mm}$) measured along the transverse direction of at least one surface of the polyester film having been heat treated at 100°C for 24 hours is in a range of -25 to 0 dB. These biaxially oriented polyester films are films good in microplanarity even after high-temperature storage or heat loading during processing. These biaxially oriented polyester films are useful as polyester films for use in a magnetic recording material, an electronic material, a stencil film, a sublimatic ribbon and a package material. In particular, these biaxially oriented polyester films are useful when employed as a base film for a high-density magnetic recording medium, especially, a double layer metal coated digital recording medium according to linear recording system.